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# OM protein - protein search, using sw model

Run on: January 16, 2003, 16:49:27 : Search time 7.94571 Seconds  
(without alignments)  
32.360 Million cell updates/sec

Title: US-09-856-070-19

Perfect score: 65

Sequence: 1 KEELMLRLQYEE 13

Scoring table: BLASTM62

Gapop 10 0 : Gapext 0.5

Searched: 120991 seqs, 15878514 residues

Total number of hits satisfying chosen parameters: 12061

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published Applications\_AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB\_POP:\*
- 2: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB\_POP:\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB\_POP:\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB\_POP:\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB\_POP:\*
- 6: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB\_POP:\*
- 7: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB\_POP:\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB\_POP:\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB\_POP:\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US08\_PUB\_POP:\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB\_POP:\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB\_POP:\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB\_POP:\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB\_POP:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	65	100.0	635	10	US-09-925-299-896
2	40	51.5	15	15	US-09-925-299-896
3	40	51.5	731	15	US-10-025-187-2
4	39	60.0	57	10	US-09-864-761-44065
5	39	60.0	405	10	US-09-863-475A-8
6	38	58.5	645	9	US-09-764-868-625
7	37	56.9	209	10	US-09-864-761-47898
8	36	55.4	73	10	US-09-864-761-40477
9	36	55.4	484	10	US-09-758-498-3
10	36	55.4	395	10	US-09-758-498-1
11	36	55.4	412	10	US-09-925-299-1587
12	36	55.4	645	10	US-09-919-172-41
13	35	53.8	235	10	US-09-947-442-2
14	35	53.8	236	9	US-09-738-626-0077
15	35	53.8	468	10	US-09-925-300-1620
16	34.5	53.1	149	10	US-09-904-536-20
17	34	52.3	144	4	US-09-738-626-4569
18	34	52.3	151	10	US-09-840-787-1
19	34	52.3	333	10	US-09-828-313-33

20	34	52.3	481	10	US-09-815-242-4952
21	34	52.3	489	10	US-09-815-242-10791
22	34	52.3	535	10	US-09-815-242-5557
23	34	52.3	545	10	US-09-815-242-12510
24	34	52.3	670	10	US-09-864-761-43062
25	33	50.8	45	10	US-09-864-761-45149
26	33	50.8	166	10	US-09-934-868-48
27	33	50.8	222	10	US-09-934-868-48
28	33	50.8	474	10	US-09-934-868-48
29	33	50.8	621	10	US-09-934-868-48
30	33	50.8	663	10	US-09-934-868-48
31	33	50.8	1029	9	US-10-033-215-22
32	33	50.8	1029	9	US-10-033-215-22
33	33	50.8	1029	9	US-10-033-215-22
34	33	50.8	1029	9	US-10-033-215-22
35	33	50.8	1029	12	US-10-033-215-22
36	33	50.8	1029	12	US-10-033-215-22
37	33	50.8	1029	12	US-10-033-215-22
38	33	50.8	1163	10	US-09-843-348-18
39	33	50.8	26225	9	US-09-759-508-2
40	32	49.2	35	10	US-09-864-761-42517
41	32	49.2	73	10	US-09-864-761-41902
42	32	49.2	76	9	US-09-984-345-239
43	32	49.2	86	10	US-09-864-761-34118
44	32	49.2	95	10	US-09-864-761-48467
45	32	49.2	135	10	US-09-925-301-1529

## ALIGNMENTS

RESULT 1  
US-09-925-299-896  
Sequence 896, Application US/09/925-299  
Patent No. US20020048761A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
FILE REFERENCE: P4302  
CURRENT APPLICATION NUMBER: US/09/925-299  
PRIORITY FILING DATE: 2001-04-19  
PRIOR APPLICATION NUMBER: PCT/US00/05883  
PRIOR FILING DATE: 2000-03-08  
PRIOR APPLICATION NUMBER: 60/124,270  
PRIOR FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 1556  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 896  
LENGTH: 635  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-925-299-896

Query Match 100.0% SCORE 65; DB 10; Length 635;  
Best local Similarity 100.0% Pctd No 0.0008;  
Mismatches 0; Gaps 0; Models 0; Caps 0;  
QY 1 KEELMLRLQYEE 13  
DB 393 KEELMLRLQYEE 405  
|||||  
|||||

RESULT 2  
US-09-864-761-45608  
Sequence 45608, Application US/09864761  
Patent No. US20020048761A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
GENE EXPRESSION ANALYSIS BY MICROARRAY

```
FILE REFERENCE: Acomica X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,412
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/200,756
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/642,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 24263,6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-24
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 45608
LENGTH: 46
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC009155.3
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.65
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.62
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.98
OTHER INFORMATION: EST HUMAN HIT: AL138321.1, EVALUJE 5.00e-11
OTHER INFORMATION: SWISSPROT HIT: P45891, EVALUJE 8.20e-00
```

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Query Match 61.5% Score 40; DB 10; Length 46;
Best Local Similarity 53.8% Pct. No. 0.9%
Matches 7; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
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```
QY 1 KEELMLRLODVEE 13
I: I: I: I: I: I: I:
DB 41 KNLLELRNVEE 43
```

```
RESULT 4
US-10-025-187-2
Sequence 2, Application US/10045187
Patent No. US2002015003A1
GENERAL INFORMATION:
APPLICANT: SHEFFIELD, VAL
APPLICANT: NISHINGRA, EWARD
TITLE OF INVENTION: A HARDEN-BLEED SUSCEPTIBILITY GENE AND USES THEREOF
FILE REFERENCE: IGWA-03405
```

```
FILE REFERENCE: Acomica X-1
CURRENT APPLICATION NUMBER: US/10/025,187
CURRENT FILING DATE: 2001-12-18
PRIOR APPLICATION NUMBER: US 60/256,900
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 3
SOFTWARE: Patchette Ver. 2.1
SEQ ID NO 2
LENGTH: 721
TYPE: PRT
ORGANISM: Homo sapiens
US-10-025-187-2
```

```
Query Match 61.5% Score 40; DB 12; Length 721;
Best Local Similarity 53.8% Pct. No. 19;
Matches 7; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
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```
QY 1 KEELMLRLODVEE 13
I: I: I: I: I: I: I:
DB 45 KNLLELRNVEE 457
```

```
RESULT 4
US-09-864-761-44065
Sequence 44065, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rauh, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Acomica X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/642,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 24263,6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
```

SEQ ID NO 44065  
 LENGTH: 57  
 TYPE: PRT  
 ORGANSIM: Homo sapiens  
 PLAIUKE:  
 OTHER INFORMATION: MAP TO AC006195.1  
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 1.2  
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 1.2  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 7.6  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 1.4  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 1.1  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 1.1  
 OTHER INFORMATION: SWISSPROT HIT: P56092, EVALUATE 4 60p+00  
 US-09-864-761-44065

Query Match 60.0%, Score 39, DB 10, Length 57;  
 Best Local Similarity 72.7%, Pred. No. 8;  
 Matches 8, Conservative 2, Mismatches 1, Indels 0, Gaps 0,  
 QY 3 EELMLRLQDYEE 13  
 ||:||||:|  
 DB 18 EELMLRLQDYEE 28

RESULT 5

US-09-863-475A-8  
 Sequence 8, Application US/09863475A  
 Patent No. US20020102688A1  
 GENERAL INFORMATION:

APPLICANT: LOWE, JOHN R.  
 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
 OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
 GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
 OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 P.C.  
 STREET: 1755 Jefferson Davis Highway, Fourth Floor  
 CITY: Arlington  
 STATE: Virginia  
 COUNTRY: U.S.A.  
 ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1 0, Version #1 25  
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/863.475A  
 FILING DATE: 24-May-2001  
 CLASSIFICATION: unknown

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/914,281  
 FILING DATE: 20-JUL-1992

ATTORNEY/AGENT INFORMATION:

NAME: Lavalleye, Jean-Paul M. P.  
 REGISTRATION NUMBER: 31,451  
 REFERENCE NUMBER: 2444-060-55

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703)521 4500  
 TELEFAX: (703)486-2447  
 TELETYPE: 248855 OPAT UR

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 405 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
 US-09-863-475A-8

Query Match 60.0%, Score 39, DB 10, Length 405;

Best Local Similarity 66.7%, Pred. No. 15;  
 Matches 8, Conservative 2, Mismatches 2, Indels 0, Gaps 0;  
 QY 2 EELMLRLQDYEE 13  
 ||:||||  
 DB 136 EEDLRLQDYEE 147

RESULT 6

US-09-764-868-625  
 Sequence 645, Application US/09764868  
 Patent No. US20020168711A1  
 GENERAL INFORMATION:  
 APPLICANT: Rose et al.  
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 FILE REFERENCE: P1232  
 CURRENT APPLICATION NUMBER: US/09/764,868  
 CURRENT FILING DATE: 2001-01-17  
 Prior application data removed - refer to PALM or file wrapper  
 NUMBER OF SEQ ID NOS: 1510  
 SOFTWARE: Patent In Ver. 2.0  
 SEQ ID NO 625  
 LENGTH: 645  
 TYPE: PRT  
 ORGANSIM: Homo sapiens  
 US-09-764-868-625

Query Match 58.5%, Score 38, DB 9, Length 645;  
 Best Local Similarity 61.5%, Pred. No. 37;  
 Matches 8, Conservative 2, Mismatches 3, Indels 0, Gaps 0;

QY 1 KEELMLRLQDYEE 13  
 |||:||||:|  
 DB 357 KEELMLRLQDYEE 369

RESULT 7

US-09-864-761-47898  
 Sequence 47898, Application US/09864761  
 Patent No. US20020048763A1  
 GENERAL INFORMATION:  
 APPLICANT: Penn, Sharron G.  
 APPLICANT: Rauk, David R.  
 APPLICANT: Hanzel, David K.  
 APPLICANT: Chen, Wensheng  
 TITLE OF INVENTION: HUMAN GENOME-DEPRIVED SINGLE FROM NUCLEIC ACID PROBES USEFUL FOR  
 FILE REFERENCE: Acomica-X-1  
 CURRENT APPLICATION NUMBER: US/09/864,761  
 CURRENT FILING DATE: 2001-05-23  
 PRIOR APPLICATION NUMBER: US 66/180,312  
 PRIOR FILING DATE: 2000-02-04  
 PRIOR APPLICATION NUMBER: US 60/207,456  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: US 09/632,366  
 PRIOR FILING DATE: 2000-08-03  
 PRIOR APPLICATION NUMBER: GB 24263.5  
 PRIOR FILING DATE: 2000-10-04  
 PRIOR APPLICATION NUMBER: US 60/236,359  
 PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: PCT/US01/006566  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/006567  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/006564  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/006569  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/006565  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/006568  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/006563

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: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00662
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00661
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00670
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: US 60/234,687
: PRIOR FILING DATE: 2000-09-21
: PRIOR APPLICATION NUMBER: US 09/608,408
: PRIOR FILING DATE: 2000-06-30
: PRIOR APPLICATION NUMBER: US 09/774,203
: PRIOR FILING DATE: 2001-01-29
: NUMBER OF SEQ ID NOS: 49117
: SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
: SEQ ID NO 47898
: LENGTH: 209
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: MAP TO AL049548.6
: OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 0.61
: OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 2
: OTHER INFORMATION: SWISSPROT HIT: P48725, EVALUATE 1.00e-04
: OTHER INFORMATION: EST_HUMAN HIT: AL042602.1, EVALUATE 6.50e-02
US-09-864-761-47898

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Query Match          56.9%; Score 37; DB 10; Length 209;
Best Local Similarity 51.8%; Prod. No. 16;
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

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QY 1 KEELMLRQDYEE 13
||||| :||| ||
DB 180 KEELMLRQDYEE 192

```

## RESULT 8

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US-09-864-761-40477
: Sequence 40477, Application US/09864761
: Patent No. US20020048763A1
: GENERAL INFORMATION:
: APPLICANT: Penn, Sharron G.
: APPLICANT: Rank, David R.
: APPLICANT: Hanzel, David K.
: APPLICANT: Chen, Wensheng
: TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEOTIC ACID PROBES USEFUL FOR
: FILE REFERENCE: Apomica-X 1
: CURRENT APPLICATION NUMBER: US/09/864,761
: CURRENT FILING DATE: 2001-05-23
: PRIOR APPLICATION NUMBER: US 60/180,312
: PRIOR FILING DATE: 2000-02-04
: PRIOR APPLICATION NUMBER: US 60/207,456
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: US 09/632,366
: PRIOR FILING DATE: 2000-08-03
: PRIOR APPLICATION NUMBER: CR 24263.6
: PRIOR FILING DATE: 2000-10-04
: PRIOR APPLICATION NUMBER: US 60/246,359
: PRIOR FILING DATE: 2000-09-27
: PRIOR APPLICATION NUMBER: PCT/US01/00666
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00667
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00664
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00669
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00665
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00668
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00663

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: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00662
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00661
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00670
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: US 60/234,687
: PRIOR FILING DATE: 2000-09-21
: PRIOR APPLICATION NUMBER: US 09/608,408
: PRIOR FILING DATE: 2000-06-30
: PRIOR APPLICATION NUMBER: US 09/774,203
: PRIOR FILING DATE: 2001-01-29
: NUMBER OF SEQ ID NOS: 49117
: SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
: SEQ ID NO 40477
: LENGTH: 73
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: MAP TO AC024196.2
: OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 2.3
: OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL - 2.7
: OTHER INFORMATION: EXPRESSED IN HEAT, SIGNAL - 2
: OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 1.4
: OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 1.3
: OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 1.6
: OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 1.6
: OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 1.4
: OTHER INFORMATION: EST_HUMAN HIT: AA354256.1, EVALUATE 1.00e-29
: OTHER INFORMATION: SWISSPROT HIT: P13647, EVALUATE 5.00e-25
US-09-864-761-40477

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Query Match          55.4%; Score 36; DB 10; Length 73;
Best Local Similarity 53.8%; Prod. No. 7.9;
Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

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```

QY 1 KEELMLRQDYEE 13
||||| :||| ||
DB 37 KEELMLRQDYEE 49

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## RESULT 9

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US-09-758-498-3
: Sequence 3, Application US/09758498
: Patent No. US20010016648A1
: GENERAL INFORMATION:
: APPLICANT: Lal, Preeti
: APPLICANT: Corley, Neil C.
: APPLICANT: Tapp, Y. Tom
: TITLE OF INVENTION: AUTOANTIGEN-LIKE PROTEIN
: NUMBER OF SEQUENCES: 3
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Incyte Pharmaceuticals, Inc.
: STREET: 3174 Porter Drive
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94304
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/758,498
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/928,442
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Billings, Lucy J.

```

REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PP-0385 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650-855-0555  
 TELEFAX: 650-845-4166  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 384 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: GenBank  
 CLONE: 1272669  
 US-09-758-498-3

Query Match 55.4%; Score 36; DB 10; Length 384;  
 Best Local Similarity 53.8%; Pred. No. 47;  
 Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KEELMLRLQDYEE 13  
 DB 163 KSELHSQLQOQHEP 175

RESULT 10  
 US-09-758-498-1  
 Sequence 1, Application US/09758498  
 Patent No. US20010016648A1  
 GENERAL INFORMATION:  
 APPLICANT: Lal, Preeti  
 APPLICANT: Corley, Neil C.  
 APPLICANT: Tang, Y. Tom  
 TITLE OF INVENTION: AUTOANTIGEN-LIKE PROTEIN  
 NUMBER OF SEQUENCES: 3  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09758,498  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/928,442  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PP-0385 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650-855-0555  
 TELEFAX: 650-845-4166  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 395 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: HUVENOB01  
 CLONE: 45842  
 US-09-758-498-1

Query Match 55.4%; Score 36; DB 10; Length 395;  
 Best Local Similarity 53.8%; Pred. No. 48;  
 Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KEELMLRLQDYEE 13  
 DB 174 KSELHSQLQOQHEP 186

RESULT 11  
 US-09-925-300 1587  
 Sequence 1587, Application US/09925300  
 Patent No. US20020151681A1  
 GENERAL INFORMATION:  
 APPLICANT: Craig Rosen,  
 APPLICANT: Steve Ruben,  
 TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 FILE REFERENCE: PA101  
 CURRENT APPLICATION NUMBER: US/09/925,300  
 CURRENT FILING DATE: 2001-08-10  
 PRIOR APPLICATION NUMBER: PCL/US00/05988  
 PRIOR FILING DATE: 2000-03-08  
 PRIOR APPLICATION NUMBER: 69/124,270  
 PRIOR FILING DATE: 1999-03-12  
 NUMBER OF SEQ ID NOS: 1890  
 SOFTWARE: Patent In Ver. 2.0  
 SEQ ID NO 1587  
 LENGTH: 412  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: SITE  
 LOCATION: (296)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 US-09-925-300-1587

Query Match 55.4%; Score 36; DB 10; Length 412;  
 Best Local Similarity 53.8%; Pred. No. 51;  
 Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KEELMLRLQDYEE 13  
 DB 191 KSELHSQLQOQHEP 203

RESULT 12  
 US-09-919-172-41  
 Sequence 41, Application US/09919172  
 Patent No. US20020119463A1  
 GENERAL INFORMATION:  
 APPLICANT: Faris, Mary  
 APPLICANT: Turner, Christopher M.  
 TITLE OF INVENTION: PROSTATE CANCER MARKERS  
 FILE REFERENCE: PA-0036 US  
 CURRENT APPLICATION NUMBER: US/09/919,172  
 CURRENT FILING DATE: 2001-07-30  
 PRIOR APPLICATION NUMBER: 69/222,469  
 PRIOR FILING DATE: 2000-07-28  
 NUMBER OF SEQ ID NOS: 102  
 SOFTWARE: PERL Program  
 SEQ ID NO 41  
 LENGTH: 645  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: misc.feature  
 OTHER INFORMATION: incyte ID No. US20020119463A1 1798379C01  
 US-09-919-172-41

Query Match 55.4%; Score 36; DB 10; Length 645;  
 Best Local Similarity 53.8%; Pred. No. 82;  
 Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KEELMLRLQDYEE 13  
 DB 459 KEELMLRLQDYEE 471

## RESULT 14

US-09-947-442 2  
 : Sequence 2, Application US/09947442  
 : Patent No. US20020052486A1  
 : GENERAL INFORMATION:  
 : APPLICANT: BATHIE, BRIGITTE  
 : APPLICANT: SCHROEDER, INDRRA  
 : APPLICANT: PEFERLE, WALTER  
 : FILE OF INVENTION: NUCLEOTIDE SEQUENCES WHICH CODE FOR THE GPMA GNP  
 : FILE REFERENCE: 21067USOX  
 : CURRENT APPLICATION NUMBER: US/09/947,442  
 : CURRENT FILING DATE: 2001-09-07  
 : PRIOR APPLICATION NUMBER: DE 10044772.4  
 : PRIOR FILING DATE: 2000-09-04  
 : PRIOR APPLICATION NUMBER: DE 10134668.3  
 : PRIOR FILING DATE: 2001-07-11  
 : NUMBER OF SEQ ID NOS: 4  
 : SOFTWARE: PatentIn version 3.1  
 : SEQ ID NO 2  
 : LENGTH: 235  
 : TYPE: PRT  
 : ORGANISM: Corynebacterium glutamicum  
 US-09-947-442-2

Query Match 53.8% Score 35; DB 10; Length 235;  
 Best Local Similarity 50.0%; Pred. No. 41;  
 Matches 6; Conservative 4; Mismatches 2; Indels 0; Caps 0;

QY 2 KEELMLRLQDYEE 13  
 DB 134 DELMVSLDDWDE 145

## RESULT 14

US-09-738-626-6077  
 : Sequence 6077, Application US/09738626  
 : Publication No. US20020197605A1  
 : GENERAL INFORMATION:  
 : APPLICANT: NAKAGAWA, SATOSHI  
 : APPLICANT: MIZOGUCHI, HIROSHI  
 : APPLICANT: ANDO, SEIKO  
 : APPLICANT: HAYASHI, MIKIRO  
 : APPLICANT: OCHIAI, KEIKO  
 : APPLICANT: YOKOI, HARUHIKO  
 : APPLICANT: TATEISHI, NAOKO  
 : APPLICANT: SENOH, AKIHIRO  
 : APPLICANT: IKEDA, MASAO  
 : APPLICANT: OZAKI, AKIO  
 : TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
 : FILE REFERENCE: 249-125  
 : CURRENT APPLICATION NUMBER: US/09/738,626  
 : CURRENT FILING DATE: 2000-12-18  
 : PRIOR APPLICATION NUMBER: JP 99/377484  
 : PRIOR FILING DATE: 1999-12-16  
 : PRIOR APPLICATION NUMBER: JP 00/159162  
 : PRIOR FILING DATE: 2000-04-07  
 : PRIOR APPLICATION NUMBER: JP 00/240988  
 : PRIOR FILING DATE: 2000-08-03  
 : NUMBER OF SEQ ID NOS: 7059  
 : SOFTWARE: PatentIn ver. 3.0  
 : SEQ ID NO 6077  
 : LENGTH: 246  
 : TYPE: PRT  
 : ORGANISM: Corynebacterium glutamicum  
 US-09-738-626-6077

Query Match 53.8% Score 35; DB 9; Length 236;

Best Local Similarity 50.0%; Pred. No. 41;  
 Matches 6; Conservative 4; Mismatches 2; Indels 0; Caps 0;

QY 2 KEELMLRLQDYEE 13  
 DB 134 DELMVSLDDWDE 145

## RESULT 15

US-09-925-300-1620  
 : Sequence 1620, Application US/09925300  
 : Patent No. US20020151681A1  
 : GENERAL INFORMATION:  
 : APPLICANT: CRAIG ROSEN,  
 : APPLICANT: STEVE ROSEN  
 : TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 : FILE REFERENCE: PA101  
 : CURRENT APPLICATION NUMBER: US/09/925,300  
 : CURRENT FILING DATE: 2001-08-10  
 : PRIOR APPLICATION NUMBER: PCT/US00/05988  
 : PRIOR FILING DATE: 2000-03-08  
 : PRIOR APPLICATION NUMBER: 65/124,270  
 : PRIOR FILING DATE: 1999-04-12  
 : NUMBER OF SEQ ID NOS: 1890  
 : SOFTWARE: PatentIn Ver. 2.0  
 : SEQ ID NO 1620  
 : LENGTH: 468  
 : TYPE: PRT  
 : ORGANISM: Homo sapiens  
 : FEATURE:  
 : NAME/KEY: SITE  
 : LOCATION: (1)  
 : OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 : NAME/KEY: SITE  
 : LOCATION: (4)  
 : OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 US-09-925-300-1620

Query Match 53.8% Score 35; DB 10; Length 468;  
 Best Local Similarity 46.2%; Pred. No. 86;  
 Matches 6; Conservative 5; Mismatches 2; Indels 0; Caps 0;

QY 1 KEELMLRLQDYEE 13  
 DB 336 PEMMIFOREMEE 348

Search completed: January 16, 2003, 17:00:08  
 Job time : 8.98571 secs